

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticides

and

Toxic Substances

Information Management Division

Official Index To The Rulemaking Record

Microbial Products of Biotechnology

Docket Number OPPTS-00049C

September 1994

Updated April 1997

Biotechnology Docket #00049C

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A1-02	USEPA	CAMPANELLA P	59 FR 54420, USEPA "MICROBIAL PRODUCTS OF BIOTECHNOLOGY PROPOSED REGULATION UNDER THE TOXIC SUBSTANCE CONTROL ACT, EXTENSION OF COMMENT PERIOD." ACTION: EXTENSION OF COMMENT PERIOD (10/31/94): 1P
A1-03	USEPA/OPPTS	GIAMPORCARO D	62 FR , USEPA "MICROBIAL PRODUCTS OF BIOTECHNOLOGY FINAL REGULATION UNDER THE TOXIC SUBSTANCES CONTROL ACT." ACTION: FINAL RULE. (04/11/97): 45PP
B1-01	USEPA	NO AUTHOR	"BIOTECHNOLOGY PMNS REFERENCED IN FINAL RULE."
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B1a-01b	USDHHS/NIH	NO AUTHOR	51 FR 16959 (05/07/86): 29PP
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Bla-04b	USEPA/OPPT/HERD/CREB	SEGAL M	USEPA/OPPT/HERD/CREB, SEGAL M "CANDIDATES FOR 5(H)4 EXEMPTION LIST - SUMMARY OF EVALUATION." (04/09/90): 3PP
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Bla-04d	DYNAMAC CORP	NO AUTHOR	"EVALUATION OF MICROORGANISMS FOR POSSIBLE EXEMPTION UNDER TSCA SECTION 5 (ROUND 2)." DRAFT REPORT DYNAMIC CORPORATION (09/28/90): 141PP
Bla-04e	USEPA/OPPT/HED/EEB	SAYRE P	USEPA/OPPT/HERD/EEB, SAYRE PG MEMO TO USEPA/OPPT/CCD/PDB, GIAMPORCARO D "JUSTIFICATION FOR TSCA BIOTECHNOLOGY RULE PREAMBLE CRITERIA RELEVANT TO 5(H)(4) MICROORGANISMS." (11/30/90): 21PP
Bla-04f	USEPA/OPPT/HERD/EEB	KOUGH JL	USEPA/OPPT/HERD/EEB, KOUGH JL MEMO TO USEPA/OPPTS MILEWSKI E. "SCREENING THE NIH LIST OF TOXINS FOR APPROPRIATENESS

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Bla-06a	USEPA/OPPT/EETD	NO AUTHOR	USEPA/OPPT/EETD "REGULATORY IMPACT ANALYSIS OF PROPOSED REGULATIONS ON MICROBIAL PRODUCTS OF BIOTECHNOLOGY." VOL.I: TECHNICAL REPORT DRAFT REPORT. (01/14/94): 168PP
Bla-06b	USEPA/OPPT/EETD	NO AUTHOR	USEPA/OPPT/EETD "REGULATORY IMPACT ANALYSIS OF PROPOSED REGULATIONS ON MICROBIAL PRODUCTS OF BIOTECHNOLOGY." VOL.II: APPENDICES DRAFT REPORT. (01/14/94): 208PP
B1b-01	USEPA/OPPT/EETD	NO AUTHOR	USEPA/OPPT/EETD "REGULATORY IMPACT ANALYSIS OF REGULATIONS ON MICROBIAL PRODUCTS OF BIOTECHNOLOGY." VOL.I: TECHNICAL REPORT (01/21/97): 168PP
B1b-02	USEPA/OPPT/EETD	NO AUTHOR	USEPA/OPPT/EETD "REGULATORY IMPACT ANALYSIS OF REGULATIONS ON MICROBIAL PRODUCTS OF BIOTECHNOLOGY." VOL.II: APPENDICES (01/21/97): 202PP
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B2-002	US CONGRESS	VOLKMER HL ET AL	U.S. CONGRESS, SUBCOMMITTEE ON INVESTIGATIONS AND OVERSIGHT, HOUSE SCIENCE, SPACE AND TECHNOLOGY. "ISSUES IN THE FEDERAL REGULATION OF BIOTECHNOLOGY: FROM RESEARCH TO RELEASES". WASHINGTON, D.C. 1986: 123PP
B2-003	USEPA	ABRAMSON SH	USEPA, OGC, OPTS MEMORANDUM FROM S ABRAMSON "STATUS OF RECOMBINANT DNA AND NEW LIFE FORMS UNDER TSCA" WASHINGTON, D.C. (03/14/94): 3PP
B2-004	US CONGRESS	GIBBONS JH	U.S. CONGRESS OFFICE OF TECHNOLGY ASSESSMENT "NEW DEVELOPMENTS IN BIOTECHNOLOGY- U.S. INVESTMENT IN BIOTECHNOLOGY SUMMARY", VOL. 4, P.13, OTA-BA-401 U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 50PP.
B2-005	ECOLOGY	TIEDJE J, COLWELL RK, GROSSMAN YL	TIEDJE J, COLWELL RK, GROSSMAN YL, HODSON RE, LENSKE RE, MACK RN, & REGAL PJ, "THE PLANNED INTRODUCTION OF GENETICALLY ENGINEERED ORGANISMS: ECOLOGICAL CONSIDERATIONS AND

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			RECOMMENDATIONS." ECOLOGY VOL. 70 NO. 2, 1989: 18PP
B2-006	AMERICAN SOCIETY FOR MICROBIOLOGY	SCHROTH MN, LOPER JE & HILDEBRAND D	SCHROTH MN, "BACTERIA AS BIOCONTROL AGENTS OF PLANT DISEASE." PAGES 362- 369 IN KLUG, MJ & REDDY, CA, EDS. CURRENT PERSPECTIVES IN MICROBIAL ECOLOGY. AMERICAN SOCIETY FOR MICROBIOLOGY, WASHINGTON, DC. 1983: 9PP
B2-007	AGRONOMY JOURNAL	DUNIGAN EP, BOLlich PK, HUTCHISON R	DUNIGAN EP, BOLlich PK, HUTCHINSON RL, HICKS PM, ZAUNBRECHER FC, SCOTT SG, & MOWERS RP, "INTRODUCTION AND SURVIVAL OF AN INOCULANT STRAIN OF RHIZOBIUM JAPONICUM IN SOIL." AGRONOMY JOURNAL 76:463-466 1984: 7PP
B2-008	SPRINGER-VERLAG	SIMBERLOFF D	SIMBERLOFF D, "INTRODUCED INSECTS: A BIOGRAPHIC AND SYSTEMATIC PERSPECTIVE." MOONEY HA AND DRAKE JA, EDS. ECOLOGY OF BIOLOGICAL INVASIONS OF NORTH AMERICA AND HAWAII. ECOLOGICAL STUDIES 58. SPRINGER-VERLAG, NEW YORK. 1986: 25PP
B2-009		SALISBURY EJ	SALISBURY EJ, WEEDS AND ALIENS." COLLINS, LONDON. 1961 AVAILABLE AT US NATIONAL INSTITUTE OF HEALTH LIBRARY OR UNIVERSITY OF MARYLAND LIBRARY
B2-010	SPRINGER-VERLAG	BAKER HG	BAKER HG, "PATTERNS OF PLANT INVASION IN NORTH AMERICA." MOONEY HA AND DRAKE JA, EDS., ECOLOGY OF BIOLOGICAL INVASIONS OF NORTH AMERICA AND HAWAII, ECOLOGICAL STUDIES 58. SPRINGER-VERLAG, NEW YORK. 1986: 15PP

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B2-011	MICROBIOLOGICAL REVIEWS	GILL DM	GILL DM, "BACTERIAL TOXINS: A TABLE OF LETHAL AMOUNTS." MICROBIOLOGICAL REVIEWS. VOL. 46(1), 1982: 9PP
B2-012	CRC PRESS	GILL DM	GILL DM, "BACTERIAL TOXINS: DESCRIPTIONS." LASKIN AI AND LECHEVALIER HA, EDS. CRC HANDBOOK OF MICROBIOLOGY, 2ND EDITION, VOL. VIII, TOXINS AND ENZYMES. CRC PRESS, BOCA RATON, FL. 1987: 16PP
B2-013	USEPA AND OKLAHOMA STATE UNIVERSITY	SAYRE P & MILLER RV	SAYRE PG, MILLER RV, "BACTERIAL MOBILE GENETIC ELEMENTS: IMPORTANCE IN ASSESSING THE ENVIRONMENTAL FATE OF GENETICALLY ENGINEERED SEQUENCES." PLASMID 26:151-171. USEPA, OTS AND DEPARTMENT OF MICROBIOLOGY, OKLAHOMA STATE UNIVERSITY. 1991: 67PP
B2-014	MCGRAW-HILL PUBLISHING CO	KOKJOHN TA	KOKJOHN TA, "TRANSDUCTION: MECHANISM AND POTENTIAL FOR GENE TRANSFER IN THE ENVIRONMENT." LEVY SB AND MILLER RV, EDS. GENE TRANSFER IN THE ENVIRONMENT. MCGRAW-HILL PUBLISHING CO., NEW YORK 1989: 25PP
B2-015	MCGRAW-HILL PUBLISHING CO	STOTZKY G	STOTZKY G, "GENE TRANSFER AMONG BACTERIA IN SOIL." LEVY SB AND MILLER RV, EDS. GENE TRANSFER IN THE ENVIRONMENT. MCGRAW-HILL PUBLISHING CO., NEW YORK 1989: 58PP
B2-016	MCGRAW-HILL PUBLISHING CO	SAYE DJ & MILLER RV	SAYE DJ AND MILLER RV, "THE AQUATIC ENVIRONMENT: CONSIDERATION OF HORIZONTAL GENE TRANSMISSION IN A DIVERSIFIED HABITAT." LEVY SB AND MILLER RV, EDS. GENE TRANSFER IN THE ENVIRONMENT. MCGRAW-HILL PUBLISHING CO., NEW YORK 1989: 37PP

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B2-018	JOHN WILEY & SONS	LEWIN B	LEWIN B, "GENES, THIRD EDITION" JOHN WILEY & SONS, NEW YORK 1987: 3PP
B2-019	PROCEEDINGS/NATL ACADEMY/SCIENCES	MAKI H, HORIUCKI T, & SEKIGUCHI M	MAKI H, HORIUCKI T AND SEKIGUCHI M, "STRUCTURE AND EXPRESSION OF THE DNAQ MUTATOR AND RNASE H GENES OF ESCHERICHIA COLI: OVERLAP OF THE PROMOTER REGIONS." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES VOL.80 1983: 5PP
B2-020	MCGRAW-HILL PUBLISHING CO	IPPEN-IHLER K	IPPEN-IHLER K, "BACTERIAL CONJUGATION." LEVY SB AND MILLER RV, EDS. GENE TRANSFER IN THE ENVIRONMENT. MCGRAW-HILL PUBLISHING CO., NEW YORK. 1989: 40PP
B2-021	USEPA/OPPT/EETD/CEB	REILLY B	USEPA/OTS/ETD/CEB, REILLY B, "ANALYSIS OF ENVIRONMENTAL RELEASES AND OCCUPATIONAL EXPOSURE IN SUPPORT OF PROPOSED TSCA 5(H)(4) EXEMPTION." WASHINGTON, DC. (03/15/94): 8PP
B2-022	BATTELLE	JENKINS DM & ANDERSON KW	JENKINS DM AND ANDERSON KW, "FINAL REPORT ON BIOSAFETY IN LARGE-SCALE RDNA PROCESSING FACILITIES." VOL 2 OF 4. USEPA, RISK REDUCTION ENGINEERING LABORATORY, CINCINNATI, OH. (09/88): 4PP

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B2-023	USDHHS/NIH	NO AUTHOR	US DEPARTMENT OF HEALTH & HUMAN SERVICES, NATIONAL INSTITUTES OF HEALTH "MEETING OF THE LARGE-SCALE REVIEW WORKING GROUP OF THE RECOMBINANT DNA ADVISORY COMMITTEE." RECOMBINANT DNA BULLETIN. VOL. 7, NO2. 1984: 7PP
B2-024	BENJAMIN/CUMMINGS PUBLISHING CO INC	ATLAS RM & BARTHA R	ATLAS RM AND BARTHA R, "MICROBIAL ECOLOGY: FUNDAMENTALS AND APPLICATIONS." BENJAMIN/CUMMINS PUBLISHING COMPANY, INC. MENLO PARK, CA. 1987, CHAPTER 2: 44PP
B2-025		FRANKI RIB	FRANCKI RIB, FAUQUET CM, KNUDSON DL, BROWN F, (EDS.) ARCHIVES OF VIROLOGY/SUPPLEMENTUM 2. SPRINGER-VERLAG, NEW YORK, NEW YORK
B3-001		NO AUTHOR	"TERA REPORT #1 (09/19/89): 49PP
B3-002	USEPA/OTS/CCD/RPDB	CORNISH BM	USEPA/OTS/CCD/RPDB, CORNISH BM, "ISSUE PAPER: DEFINING "COMMERCIAL PURPOSES" FOR THE REGULATION OF MICROBIAL PRODUCTS OF BIOTECHNOLOGY UNDER TSCA." (08/03/89): 54PP
B3-003		EDBERG SC	EDBERG SC, "HUMAN HEALTH ASSESSMENT: ACETOBACTER ACETI." 1992: 11PP
B3-004	USEPA/OPPT/HERD/EEB	KOUGH JL	USEPA/OPPT/HERD/EEB/BES, KOUGH JL, "ENVIRONMENTAL HAZARD ASSESSMENT OF ACETOBACTER ACETI FOR 5(H)4 EXEMPTION." 1991: 4PP

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B3-006	USEPA/OPPT/EETD/CEB	REILLY B	USEPA/CEB, REILLY B, "ANALYSIS OF ENVIRONMENTAL RELEASES AND OCCUPATIONAL EXPOSURE IN SUPPORT OF PROPOSED TSCA 5(H) (4) EXEMPTION." (03/15/91): 14PP
B3-007	DYNAMAC CORP	NO AUTHOR	DRAFT REPORT "HUMAN HEALTH EFFECTS ASSESSMENT OF ASPERGILLUS NIGER." DYNAMIC CORPORATION. (11/25/91): 20PP
B3-008	USEPA/OPPT/HERD/EEB	KOUGH JL	USEPA/OPPT/HERD/EEB, KOUGH JL, "ENVIRONMENTAL HAZARD ASSESSMENT FOR USE OF ASPERGILLUS NIGER AS A RECIPIENT MICROORGANISM UNDER 5(H)4." (03/04/91): 12PP
B3-009	VERSAR INC	NO AUTHOR	"SCREENING LEVEL EXPOSURE ASSESSMENT OF ASPERGILLUS SPECIES FOR 5(H)(4) EXEMPTION UNDER THE PROPOSED BIOTECH RULE." VERSAR INC. (12/19/91): 11PP
B3-010	DYNAMAC CORP	NO AUTHOR	"HUMAN HEALTH EFFECTS ASSESSMENT OF ASPERGILLUS ORYZAE." DYNAMIC CORPORATION. (12/20/91): 28PP
B3-011	USEPA/OPPT/HERD/EEB	KOUGH JL	USEPA/OPPT/HERD/EEB, KOUGH JL, "ENVIRONMENTAL HAZARD ASSESSMENT FOR USE OF ASPERGILLUS ORYZAE AS A RECIPIENT MICROORGANISM UNDER 5(H)4." (03/26/91): 11PP

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B3-013	USEPA/OPPT/HERD/EEB	MCCLUNG G	USEPA/OPPT/HERD/EEB, MCCLUNG G, "ECOLOGICAL HAZARD ASSESSMENT OF BACILLUS LICHENIFORMIS FOR THE 5(H)(4) EXEMPTIONS IN THE PROPOSED BIOTECHNOLOGY RULE." (01/15/92): 10PP
B3-014	VERSAR INC	NO AUTHOR	"SCREENING LEVEL EXPOSURE ASSESSMENT OF BACILLUS SPECIES FOR 5(H)(4) EXEMPTION UNDER THE PROPOSED BIOTECH RULE." VERSAR INC. (02/05/92): 12
B3-015	YALE UNIVERSITY	EDBERG SC	EDBERG SC, "US EPA HUMAN HEALTH ASSESSMENT." YALE UNIVERSITY 1992: 19PP
B3-016	USEPA/OPPT/HERD/EEB	MCCLUNG G	MCCLUNG G, USEPA/OPPT/HERD/EEB, "ECOLOGICAL HAZARD ASSESSMENT OF BACILLUS SUBTILIS FOR THE 5 (H) 4 EXEMPTIONS IN THE PROPOSED BIOTECHNOLOGY RULE." (02/07/92): 9PP
B3-017	YALE UNIVERSITY	EDBERG SC	EDBERG SC, "US EPA HUMAN HEALTH ASSESSMENT: CLOSTRIDIUM ACETOBUTYLICUM." YALE UNIVERSITY. 1991: 9PP
B3-018	USEPA/CEB	MACEK G	USEPA/CHEMICAL ENGINEERING BRANCH, "ASSESSMENT OF WORKER EXPOSURE AND RELEASES OF CLOSTRIDIUM ACETOBUTYLICUM FROM FERMENTATION FACILITIES." 1992: 1P
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B3-021	DYNAMAC CORP	NO AUTHOR	"HUMAN HEALTH ASSESSMENT OF ECHERICHIA COLI K-12." DYNAMIC CORPORATION 1991: 22PP
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B3-023	THE JOURNAL OF INFECTIOUS DISEASES	GORBACH SL	GORBACH SL, "RISK ASSESSMENT OF RECOMBINANT DNA EXPERIMENTATION WITH ESCHERICHIA COLI K12." THE JOURNAL OF INFECTIOUS DISEASES. VOL. 137, NO. 5 MAY 1978: 106PP
B3-024	DYNAMAC CORP	GRAY A	FAX TO BRODER FROM GRAY SUBJECT: EDBERG'S ANSWERS FOR SAYRE (10/01/92): 2PP
B3-025	USEPA/OPPT/HERD/EEB	SAYRE PG	USEPA/OPPT/HERD/EEB, SAYRE PG, "ENVIRONMENTAL HAZARD ASSESSMENT OF ESCHERICHIA COLI STRAIN K-12 FOR PROPOSED 5(H)(4) EXEMPTION." (01/02/91): 6PP
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B3-027	DYNAMAC CORP	NO AUTHOR	"HUMAN HEALTH EFFECTS ASSESSMENT OF PENICILLIUM ROQUEFORTI." DYNAMIC CORPORATION. (12/13/91): 25PP
B3-028	USEPA/OPPT/HERD/EEB	KOUGH JL	USEPA/OPPT/HERD/EEB, KOUGH JL "ENVIRONMENTAL HAZARD ASSESSMENT OF PENICILLIUM ROQUEFORTI FOR 5(H)4 EXEMPTION ." (12/26/90): 9PP
B3-029	DYNAMAC CORP	NO AUTHOR	"HUMAN HEALTH ASSESSMENT OF SACCHAROMYCES CEREVISIAE." DYNAMIC CORPORATION. (12/17/91): 19PP
B3-030	USEPA/OPPT/HERD/EEB	KOUGH JL	USEPA/OPPT/HERD/EEB, KOUGH JL "CLARIFICATIN OF TAXONOMIC QUESTIONS ON SACCHAROMYCES CEREVISIAE." (11/15/90): 9PP
B3-031	USEPA/OPPT/HERD/EEB	SAYRE P	USEPA/OPPT/HERD/EEB, SAYRE P, "ENVIRONMENTAL HAZARD ASSESSMENT OF SACCHAROMYCES CEREVISIAE." (01/15/91): 13PP
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B3-035	VERSAR INC	NO AUTHOR	"SCREENING LEVEL EXPOSURE ASSESSMENT OF SACCHAROMYCES UVAUM FOR 5(H)(4) EXEMPTION UNDER THE PROPOSED BIOTECH RULE." VERSAR INC. (03/06/92): 6PP
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B5-001	INTL JOURNAL/SYSTEMATIC BACTERIOLOG	MURRAY R & STACKEBRANDT E	"TAXONOMIC NOTE: IMPLEMENTATION OF THE PROVISIONAL STATUS CANDIDATUS FOR INCOMPLETELY DESCRIBED PROCARYOTES." INTERNATIONAL JOURNAL OF SYSTEMATIC BACTERIOLOGY, 45 (1):186-187. (01/95): 2PP
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B5-004	ANTONIE VAN LEEUWENHOEK	PALLERONI NJ	"PSEUDOMONAS CLASSIFICATION: A NEW CASE HISTORY IN THE TAXONOMY OF GRAM-NEGATIVE BACTERIA." ANTONIE V. LEEUWENHOEK 64:231-51. (09/09/93): 21PP
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B5-006	INTL JOURNAL/SYSTEMATIC BACTERIOLOG	MOLIN G & TERNSTROM A	"PHENOTYPICALLY BASED TAXONOMY OF PSYCHROTROPHIC PSEUDOMONAS ISOLATED FROM SPOILED MEAT, WATER, AND SOIL." INTERNATIONAL JOURNAL OF SYSTEMATIC BACTERIOLOGY, 36(2):257-274. (04/86): 18PP
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B5-010	SYSTEMATIC & APPLIED MICROBIOLOGY	JANSE JD, DERKS JHJ, ET AL	"CLASSIFICATION OF FLUORESCENT SOFT ROT PSEUDOMONAS BACTERIA, INCLUDING P. MARGINALIS STRAINS, USING WHOLE CELL FATTY ACID ANALYSIS." SYSTEMATIC & APPLIED MICROBIOLOGY, 15:538-553. (1992): 17PP
B5-011	USDHHS/NIH	NO AUTHOR	"GUIDELINES FOR RESEARCH INVOLVING RECOMBINANT DNA MOLECULES (NIH GUIDELINES)." FR JULY 5, 1994, SEPARTE

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B5-014	USDHHS/NIH	NO AUTHOR	45 FR 50525, USDHHS "RECOMBINANT DNA RESEARCH, ACTIONS UNDER GUIDELINES." (07/29/80): 3PP
B5-015	JOHN WILEY & SONS LTD	BALDWIN TO, DEVINE JH, ET AL	"THE COMPLETE NUCLEOTIDE SEQUENCE OF THE LUX REGULON OF VIBRIO FISCHERI AND THE LUXABN REGION OF PHOTOBACTERIUM LEIOGNATHI AND THE MECHANISM OF CONTROL OF BACTERIAL BIOLUMINESCENCE." JOURNAL OF BIOLUMINESCENCE AND CHEMILUMINESCENCE, 4:326-340. (1989): 15PP
B5-016	AMERICAN SOCIETY FOR MICROBIOLOGY	ZEPH LR, ONAGA MA, & STOTZKY G	"TRANSDUCTION OF ESCHERICHIA COLI BY BACTERIOPHAGE P1 IN SOIL." APPLIED AND ENVIRONMENTAL MICROBIOLOGY, 54(7):1731-1737. (04/11/88): 7PP
B5-017	JOURNAL OF APPLIED BACTERIOLOGY	HAVELAAR AH & HOGEBOOM WM	"A METHOD FOR THE ENUMERATION OF MALE-SPECIFIC BACTERIOPHAGES IN SEWAGE." JOURNAL OF APPLIED BACTERIOLOGY, 56:439-447. (1984): 9PP
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B5-024	BENJAMIN/CUMMINGS PUBLISHING CO INC	ATLAS RM & BARTHA R	"MICROBIAL ECOLOGY: FUNDAMENTALS AND APPLICATIONS - SECOND EDITION." (1987): 44PP. THIS DOCUMENT IS FILED AS B2-024 IN THIS DOCKET.
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B6-002	USDHHS/NIH	NO AUTHOR	"GUIDELINES FOR RESEARCH INVOLVING RECOMBINANT DNA MOLECULES (NJH GUIDELINES)." (59 FR 34496, JULY 5, 1994). THIS DOCUMENT IS FILED AS B5-011 IN THIS DOCKET.
B6-003	OECD	NO AUTHOR	"RECOMBINANT DNA SAFETY CONSIDERATIONS." OECD, PARIS (1988). THIS DOCUMENT IS FILED AS B5-002 IN THIS DOCKET.
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B6-005	BENJAMIN/CUMMINGS PUBLISHING CO INC ATLAS RM & BARTHA R		"MICROBIAL ECOLOGY: FUNDAMENTALS AND APPLICATIONS." (CHAPTER 2):19-60. THIS DOCUMENT IS FILED AS B2-024 IN THIS DOCKET.
B6-006	BATTELLE	BURCKLE JO ET AL	"FINAL REPORT ON BIOSAFETY IN LARGE-SCALE RDNA PROCESSING FACILITIES." 4 VOL SET. (09/88): 824PP
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C1-017b	AMERICAN SOCIETY FOR MICROBIOLOGY	COLE MA	"TRANSMISSIBLE RESISTANCE TO PENICILLIN G, NEOMYCIN, AND CHLORAMPHENICOL IN RHIZOBIUM JAPONICUM." (1973): 7PP
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